

Order 12690



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5159-045
Job Sheet 188930



Part No: D5159-045

Job Qty: 4 pcs

Part Name: Seat Rib Assembly



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/16/19

Job Tracking No:

Due Date: 1/19/19

Created By: Dara Macdonald

Type: SOLD

Description:

Note: DWG REV A IPP REV:A 14.10.02 NEW ISSUE DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Small Fab - 1	4 pcs	1/19/19		0.00	2.42	Small Fab - 1		DAS 58 9-89 FEB 08 2019
							Small Fab - 2		
							Small Fab - 3		
							Small Fab - 4		
							Small Fab - 5		
							Small Fab - 6		
							Small Fab - 7		
120	QC 5	4 pcs	1/19/19		0.00	0.00	QC 5 - 10		DAS 68 9-89 FEB 11 2019
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 38		
							QC 5 - 42		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		
							QC 5 - 9		
							QC 5 - 50		
							QC 5 - 30		
130	Packaging 3-1 - Stock - B4B	4 pcs	1/19/19		0.00	0.00	Packaging 3 - 1 - B4B		FEB 11 2019
							Packaging 3 - 2 - B4B		
							Packaging 3 - 3 - B4B		
							Packaging 3 - 4 - B4B		
							Packaging 3 - 5 - B4B		
							Packaging 3 - 6 - B4B		

				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	FEB 11 2019
140 QC 21 - SA	4 pcs	1/19/19	0.00 0.00	QC 21 - SA - 21	DAS
				QC 21 - SA - 70	21
Part Op 110 - small Fab Descriptions: 120 - QC5- Inspect part completeness to step on W/O 130 - Identify as per dwg & Stock Location: _____ 140 - QC21- Final Inspection - Work Order Release					
Job BOM					
Part / Item	Component Name	Quantity	Operation	Container	
D5159-3	Seat Rib	4 pcs (1 ea)	110-Small Fab - 1	51421	
D5160-3	Shim	4 pcs (1 ea)	110-Small Fab - 1	5084547	
MS20601M4W4	Rivet	12 Ea (3 ea)	110-Small Fab - 1	5142491	
				5093701	
Job Allocations					
Operation	Component Part	Required	Inventory	Allocated	
110-Small Fab - 1	D5159-3	4	8	0	
	D5160-3	4	6	0	
	MS20601M4W4	12	24	0	
Part Specifications					
Specifications could not be found.					

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D5159-045

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Ship Via:

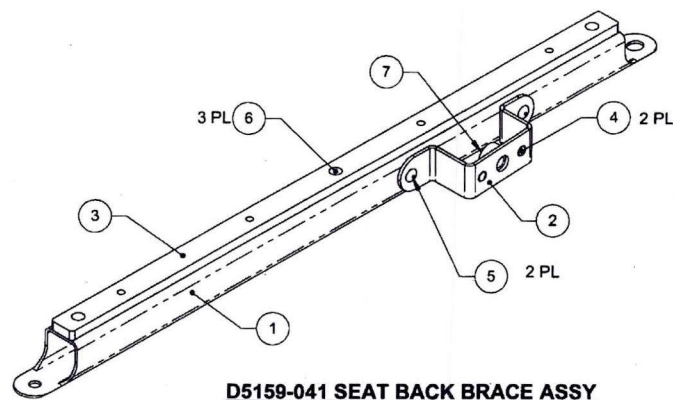
Bill of Materials

Job Routing

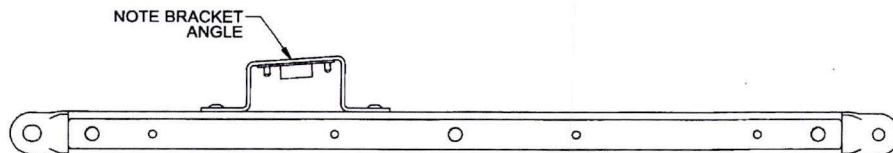
Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
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110	Small Fab - 1	4 pcs	1/19/19		0.00	2.42	Small Fab - 1		
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120	QC 5	4 pcs	1/19/19		0.00	0.00	QC 5 - 10		
							QC 5 - 12		
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							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 38		
							QC 5 - 42		
							QC 5 - 43		
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							QC 5 - 9		
							QC 5 - 50		
							QC 5 - 30		
130	Packaging 3-1 - Stock - B4B	4 pcs	1/19/19		0.00	0.00	Packaging 3 - 1 - B4B		
							Packaging 3 - 2 - B4B		
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							Packaging 3 - 5 - B4B		

				Packaging 3 - 6 - B4B					
				Packaging 3 - 7 - B4B					
				Packaging 3 - 8 - B4B					
				Packaging 3 - 9 - B4B					
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				Packaging 3 - 14 - B4B					
				Packaging 3 - 15 - B4B					
				Packaging 3 - 16 - B4B					
				Packaging 3 - 17 - B4B					
				Packaging 3 - 18 - B4B					
				Packaging 3 - 19 - B4B					
				Packaging 3 - 20 - B4B					
				Packaging 3 - 21 - B4B					
				Packaging 3 - 22 - B4B					
				Packaging 3 - 23 - B4B					
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				Packaging 3 - 25 - B4B					
				Packaging 3 - 26 - B4B					
				Packaging 3 - 27 - B4B					
				Packaging 3 - 28 - B4B					
				Packaging 3 - 29 - B4B					
				Packaging 3 - 30 - B4B					
				Packaging 3 - 31 - B4B					
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				Packaging 3 - 35 - B4B					
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								QC 21 - SA - 70	
				Part Op 110 - small Fab					
				Descriptions: 120 - QC5- Inspect part completeness to step on W/O					
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140 - QC21- Final Inspection - Work Order Release									
Job BOM									
Part / Item	Component Name	Quantity	Operation	Container					
D5159-3	Seat Rib	4 pcs (1 ea)	110-Small Fab - 1						
D5160-3	Shim	4 pcs (1 ea)	110-Small Fab - 1						
MS20601M4W4	Rivet	12 Ea (3 ea)	110-Small Fab - 1						
Job Allocations									
Operation	Component Part	Required	Inventory	Allocated					
110-Small Fab - 1	D5159-3	4	0	0					
	D5160-3	4	6	0					
	MS20601M4W4	12	24	0					
Part Specifications									
Specifications could not be found.									

ITEM	QTY -041	P/N	DESCRIPTION
	X	D5159-041	SEAT BACK BRACE ASSY
1	1	D5159-1	RIB
2	1	D5160-1	SEAT BRACE BRACKET
3	1	D5160-5	SHIM
4	2	MS20426AD3-4	RIVET, SOLID, CSK
5	2	MS20600M4W3	RIVET, BLIND (MONEL)
6	3	MS20601M4W4	RIVET, BLIND, CSK (MONEL)
7	1	MS21059L4	NUTPLATE



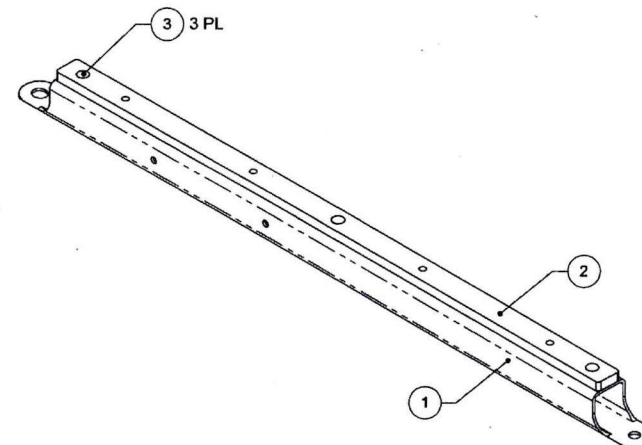
D5159-041 SEAT BACK BRACE ASSY



NOTE BRACKET
ANGLE

- NOTES:
 1) MATERIAL: N/A
 2) FINISH: NONE
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 5) BREAK SHARP EDGES: N/A
 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D5159-041" AND BATCH NUMBER BXXXXX
 PER QSI 044, 6.1.
 7) WEIGHT: 0.89 lbs

ITEM	QTY -043	P/N	DESCRIPTION
	X	D5159-043	SEAT BACK BRACE ASSY
1	1	D5159-1	RIB
2	1	D5160-5	SHIM
3	3	MS20601M4W4	RIVET, BLIND, CSK (MONEL)



D5159-043 SEAT BACK BRACE ASSY

- NOTES:
 1) MATERIAL: N/A
 2) FINISH: NONE
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 5) BREAK SHARP EDGES: N/A
 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D5159-043" AND BATCH NUMBER BXXXXX
 PER QSI 044, 6.1.
 7) WEIGHT: 0.82 lbs

RELEASED

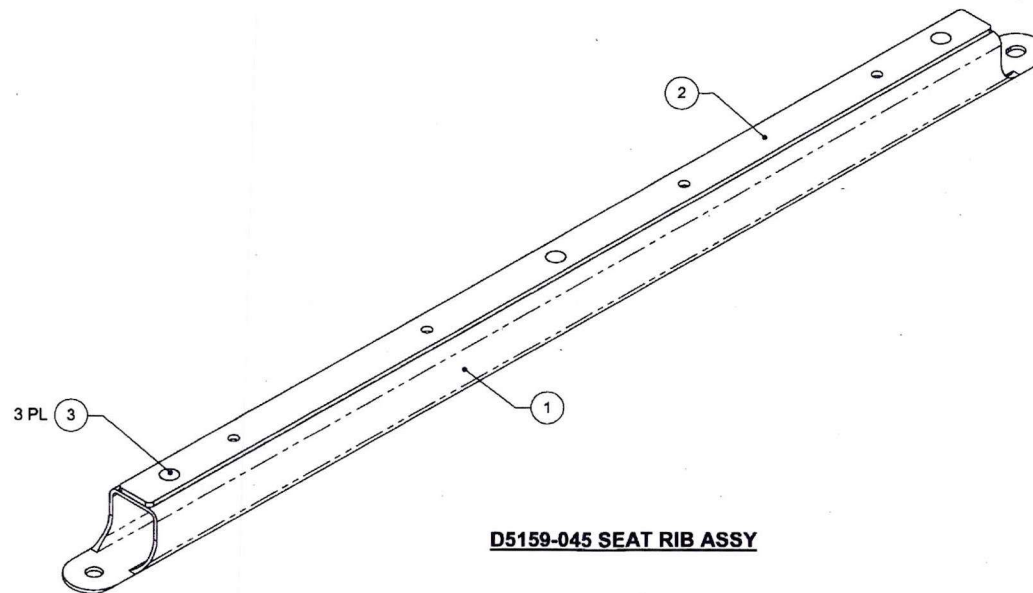
2015 FEB 04

ECN 15-522 9

APPROVED

A	NEW ISSUE	AJS	14.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	AP	DRAWING NO.	REV. A
MFG. APPR.	DD	D5159	SHEET 1 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	SEAT BRACE ASSY	NTS
DATE	14.09.24	COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

ITEM	QTY	P/N	DESCRIPTION
	X	D5159-045	SEAT RIB ASSY
1	1	D5159-3	SEAT RIB
2	1	D5160-3	SHIM
3	3	MS20601M4W4	RIVET, BLIND, CSK (MONEL)



D5159-045 SEAT RIB ASSY

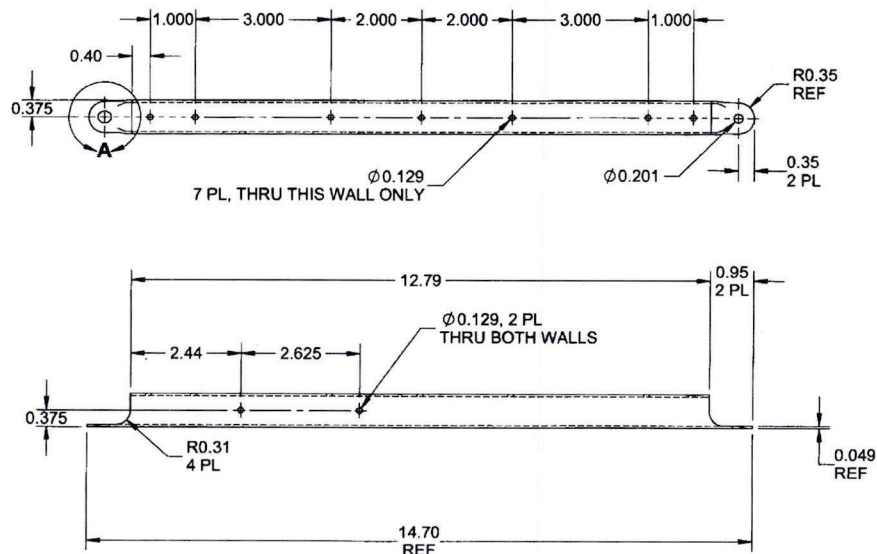
RELEASED
2015 FEB 04 *on*

NOTES:

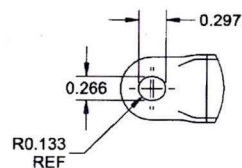
- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D5159-045" AND BATCH NUMBER BXXXXX
PER QSI 044, 6.1.
- 7) WEIGHT: 0.62 lbs

APPROVED

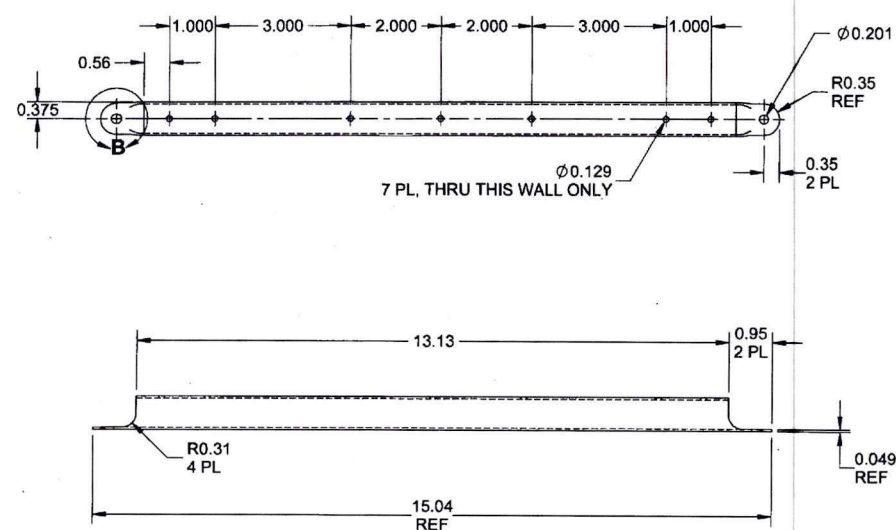
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	AP	DRAWING NO.	REV. A
MFG. APPR.	DD	D5159	SHEET 2 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	SEAT BRACE ASSY	NTS
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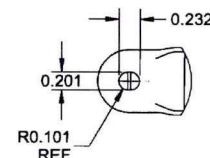
D5159-1 RIB



DETAIL A
SCALE 2X



D5159-3 SEAT RIB



DETAIL B
SCALE 2X

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBE, 0.75 X 0.75 X 0.049 WALL
PER ASTM A554/A269 MILL FINISH
REF DART SPEC. M304TS0.750W.049
- 2) FINISH: POWDER COAT GREY SANDTEX (4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT -1: 0.49 lbs
-3: 0.50 lbs

APPROVED

DESIGN	AJS
DRAWN	AJS
CHECKED	AP
MFG. APPR.	DD
APPROVED	HS
DE APPR.	DS
DATE	14.09.24

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D5159** REV. A
SHEET 3 OF 3
TITLE **SEAT BRACE ASSY** SCALE NTS

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RELEASED

2015 FEB 04

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐					
Date : _____		Sequence # : _____		QTY Affected : _____		MRB (QSI042)	
Description Work Order Deviation				Disposition			
				Completed By			
				Lead hand / Supervisor			
				QC / QA Coordinator			
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread					
Other/Details:							



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CANADA
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Email: sales@dartaero.com
www.dartaero.com

Container No: S152041



Part: D5159-045

Job No: 188930

Serial No/Batch: S152041

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 02/08/19